# Health Physics Enrollments and Degrees Survey, 2005 Data

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## SURVEY UNIVERSE

The survey includes degrees granted between September 1, 2004 and August 31, 2005. Enrollment information refers to the fall term 2005. Thirty-one academic programs were included in the survey universe with 30 of the 31 responding. The report includes data by degree level including citizenship, gender, and race/ethnicity plus enrollments of junior and senior undergraduate students and graduate students.

## DEGREE DATA

**Bachelor's Degrees**. The number of B.S. degrees granted in 2005 by health physics, medical health physics, and other health physics option programs increased by over 40% from 2004, and is the highest number of B.S. degrees reported since 1996. (See Table 1.) Health physics programs accounted for 94% of all B.S. degrees. (See Table 2.)

**Graduate Degrees**. In 2005 compared to 2004, the number of master's degrees granted increased by 20%, and the number of doctorate degrees granted remained constant. (See Table 1.) The number of master's degrees granted was the largest since 2000. The number of doctorate degrees remained at the lowest level reported since the survey began in the mid 1970s. Health physics programs accounted for 65% of the master's degrees and 71% of the doctorate degrees. (See Table 2.)

**Table 1. Health Physics Degrees, 1998-2005**

| | Degrees | | |
|---|---|---|---|
| Year | B.S. | M.S. | Ph.D. |
| 2005 | 78 | 77 | 14 |
| 2004 | 54 | 64 | 14 |
| 2003 | 56 | 73 | 25 |
| 2002 | 41 | 76 | 20 |
| 2001 | 37 | 71 | 23 |
| 2000 | 33 | 79 | 24 |
| 1999 | 55 | 115 | 22 |
| 1998 | 51 | 118 | 26 |

The data reflect the 2002 update of the survey universe of health physics programs.

**Table 2. Health Physics Degrees by Curriculum, 2005**

| Curriculum | B.S. | M.S. | Ph.D. |
|---|---|---|---|
| Health Physics Program | 73 | 50 | 10 |
| Medical Health Physics | 1 | 20 | 2 |
| Other Health Physics Option | 4 | 7 | 2 |

## ENROLLMENTS AND SHORT-TERM OUTLOOK FOR DEGREE TRENDS

**Undergraduate Students.** In 2005, the enrollment of junior and senior undergraduate students was 15% higher than in 2004 and is the third year in a row with an increase (since the low in 2002). The continuing increases in undergraduate enrollment generated the increase in the number of B.S. degrees in 2005, and indicate that the number of B.S. degrees is likely to increase at least for the next couple of years.

**Graduate Students.** In 2005, the enrollment of graduate students also increased for the third year and was 15% higher than graduate enrollments in 2004. The continuing increases in graduate enrollment have resulted in the increase in M.S. degrees granted in 2005, and indicate that the number of M.S. degrees should continue to increase for the next few years. It is also likely that the number of Ph.D. degrees will begin to increase in the next year or two.

## CITIZENSHIP, GENDER, AND RACE/ETHNICITY OF DEGREE RECIPIENTS (TABLE 3.)

**Citizenship.** The vast majority of B.S. degree recipients were U.S. citizens. Among M.S. degree recipients, 30% were non-U.S. citizens; and for Ph.D. degree recipients, 36% were non-U.S. citizens. The higher percentages of non-U.S. citizens among graduate degree recipients is a continuation of a long-term trend common across graduate science academic programs.

**Gender.** Females comprised almost 40% of the B.S. degree recipients (for those with gender reported), almost 30% of the M.S. degree recipients, and 14% of the Ph.D. recipients.

**Race/Ethnicity.** Among the B.S. degree recipients, 19% of the U.S. citizens were members of minority groups (excluding the "other or unknown" group). Among the combined M.S.-plus-Ph.D. degree recipients, less than 10% of the U.S. citizens were members of minority groups.

**Table 3. Citizenship, Gender, and Race/Ethnicity of Degree Recipients, 2005**

| | B.S. | | M.S. | | Ph.D. | |
|---|---|---|---|---|---|---|
| | Female | Male | Female | Male | Female | Male |
| Non-U.S. Citizens | 2 | 1 | 7 | 16 | 0 | 5 |
| U.S. Citizens | | | | | | |
| African/Black Americans | 2 | 0 | 1 | 2 | 0 | 0 |
| American Indians/Native Americans | 0 | 0 | 0 | 0 | 0 | 0 |
| Asian/Pacific Island Americans | 3 | 8 | 0 | 1 | 0 | 0 |
| Hispanic Americans | 0 | 0 | 0 | 0 | 1 | 0 |
| White/Caucasian Americans | 23 | 31 | 13 | 36 | 0 | 7 |
| Other or Unknown | 0 | 6 | 1 | 0 | 1 | 0 |
| (not reported = 2 BS; 0 MS; & 0 PhD ) | | | | | | |
| Totals | 30 | 46 | 22 | 55 | 2 | 12 |

## Table 4. Health Physics Degrees, 2005, by Academic Institution

| Name of Institution | State | Degrees, September 1, 2004 - August 31, 2005 | | |
|---|---|---|---|---|
| | | B.S. | M.S. | Ph.D. |
| Bloomsburg University of Pennsylvania | PA | 1 | 0 | 0 |
| Clemson University | SC | 0 | 2 | 0 |
| Colorado State University | CO | 0 | 4 | 2 |
| Georgetown University | DC | 0 | 2 | 0 |
| Georgia Institute of Technology | GA | 0 | 1 | 0 |
| Idaho State University | ID | 3 | 2 | 0 |
| Illinois Institute of Technology | IL | 0 | 10 | 0 |
| Louisiana State University | LA | 0 | 7 | 0 |
| Massachusetts Institute of Technology | MA | 0 | 1 | 0 |
| Ohio State University | OH | 0 | 3 | 0 |
| Oregon State University | OR | 6 | 2 | 1 |
| Purdue University | IN | 16 | 1 | 0 |
| Rensselaer Polytechnic Institute | NY | 7 | 0 | 2 |
| San Diego State University | CA | 0 | 3 | 0 |
| Texas A&M University | TX | 13 | 3 | 1 |
| Thomas Edison State College | NJ | 4 | 0 | 0 |
| University of Cincinnati | OH | 0 | 5 | 0 |
| University of Florida | FL | 0 | 0 | 0 |
| University of Illinois at Urbana-Champaign | IL | 3 | 1 | 0 |
| University of Maine | ME | 3 | 1 | 0 |
| University of Massachusetts, Lowell | MA | 3 | 4 | 2 |
| University of Michigan | MI | 8 | 9 | 2 |
| University of Missouri, Columbia | MO | 0 | 6 | 0 |
| University of Nevada, Las Vegas | NV | 2 | 4 | 0 |
| University of New Mexico | NM | 0 | 1 | 0 |
| University of Tennessee | TN | 7 | 2 | 0 |
| University of Texas | TX | 0 | 0 | 2 |
| University of Utah | UT | 0 | 3 | 2 |
| Vanderbilt University | TN | 0 | 0 | 0 |
| Washington State University, Tri-Cities | WA | 0 | 0 | 0 |
| *Estimate for 1 nonresponding program* | | *2* | *0* | *0* |
| **TOTALS:** | | **78** | **77** | **14** |

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